

**In the claims:**

For the Examiner's convenience, all pending claims are presented below with changes shown. Please cancel claims 18-20 and 23 without prejudice.

1. (Currently Amended) An adapter comprising:  
  
an infrared transceiver to transmit and receive information to and from a  
  
computing device via an infrared data port;  
  
a ~~radio frequency~~ Bluetooth transceiver to transmit and receive information to and  
  
from a ~~radio frequency~~ data system via a Bluetooth interface; and  
  
a processor coupled to the infrared transceiver and the ~~radio frequency~~ Bluetooth  
  
transceiver to convert information received from the infrared transceiver  
  
to a ~~radio frequency~~ Bluetooth protocol format for transfer to the ~~radio~~  
  
~~frequency~~ data system and to convert information received from the ~~radio~~  
  
~~frequency~~ Bluetooth transceiver to an infrared format for transfer to the  
  
infrared data port.
2. (Previously Presented) The adapter of claim 1, further comprising a buffer  
  
to provide temporary storage for information converted by the processor.
3. (Previously Presented) The adapter of claim 1, further comprising a power  
  
supply coupled to the processor.
4. (Previously Presented) The adapter of claim 1, wherein the infrared  
  
transceiver includes a driver circuit to transmit information to the infrared data  
  
port.

5. (Previously Presented) The adapter of claim 1, wherein the infrared transceiver includes a receiving circuit to receive information from the infrared data port.
6. (Previously Presented) The adapter of claim 1, further comprising a housing.
7. (Currently Amended) A system, comprising:
  - a computing device including an infrared data port to transmit and receive information to a ~~radio-frequency~~ data system in communication with a network; and
  - an adapter to transfer information between the computing device ~~infrared data port~~ and the ~~radio-frequency~~ data system, the adapter including:
    - an infrared transceiver to transmit and receive information to and from the infrared data port;
    - a ~~radio-frequency~~ Bluetooth transceiver to transmit and receive information to and from the ~~radio-frequency~~ data system; and
    - a processor coupled to the infrared transceiver and the ~~radio-frequency~~ Bluetooth transceiver to convert information received from the infrared transceiver to a ~~radio-frequency~~ Bluetooth protocol format for transfer to the ~~radio-frequency~~ data system and to convert information received from the ~~radio-frequency~~ Bluetooth transceiver to an infrared format for transfer to the infrared data port.

8. (Previously Presented) The system of claim 7, wherein the computing device is a portable computer.
9. (Previously Presented) The system of claim 7, wherein the adapter is physically coupled to the computing device.
10. (Previously Presented) The system of claim 7, wherein the adapter is a stand-alone unit that communicates with the computing device over an infrared communication link.
11. (Previously Presented) The system of claim 7, wherein the adapter further comprises a buffer to provide temporary storage for information converted by the processor.
12. (Previously Presented) The system of claim 7, wherein the adapter further comprises a power supply coupled to the microprocessor.
13. (Previously Presented) The system of claim 7, wherein the infrared transceiver includes a driver circuit to transmit information to the infrared data port.
14. (Previously Presented) The system of claim 7, wherein the infrared transceiver includes a receiving circuit to receive information from the infrared data port.
15. (Currently Amended) An adapter comprising:  
  
a first infrared transceiver to transmit and receive information to and from a first computing device via a first ~~of a plurality of~~ infrared data ports;  
  
a second infrared transceiver to transmit and receive information to and from a second computing device via a second ~~of a plurality of~~ infrared data ports;

a ~~radio frequency~~ Bluetooth transceiver to transmit and receive information to and from a ~~radio frequency~~ data system via a Bluetooth interface; and

a processor coupled to the first and second infrared transceivers and the ~~radio frequency~~ Bluetooth transceiver to convert information received from the first and second infrared transceivers to a ~~radio frequency~~ Bluetooth protocol format for transfer to the ~~radio frequency~~ data system and to convert information received from the ~~radio frequency~~ Bluetooth transceiver to an infrared format for transfer to at least one of the ~~plurality~~ of infrared data ports.

16. (Currently Amended) A method for wirelessly connecting a computing device to a network, comprising:  
receiving information at an adapter over an infrared communication link from a remote computing device;  
converting the information from an infrared format to a ~~radio frequency~~ Bluetooth protocol format at a processor; and  
communicating the information to the network over a ~~radio frequency~~ Bluetooth link.
17. (Currently Amended) A method for wirelessly connecting a computing device to a network, comprising:

receiving information at an adapter over a ~~radio-frequency~~ Bluetooth  
communication link from the network;  
converting the information from a ~~radio-frequency~~ Bluetooth protocol format to  
an infrared signal at a processor; and  
communicating the information to the computing device over an infrared  
communication link.

18. (Cancelled)

19. (Cancelled)

20. (Cancelled)

21. (Original) The adaptor of claim 15, wherein the adapter further comprises a  
buffer to provide temporary information storage.

22. (Currently Amended) A system comprising:  
a portable computing device having an infrared data port;  
an IR (infrared) to ~~RF (radio-frequency)~~ Bluetooth adapter communicatively  
coupled to the infrared data port, the adapter having:  
an infrared transceiver to transmit and receive information to and from the  
infrared data port;  
a ~~radio-frequency~~ Bluetooth transceiver to transmit and receive  
information to and from the ~~radio-frequency~~ data system; and  
a processor coupled to the infrared transceiver and the ~~radio-frequency~~  
Bluetooth transceiver to convert information received from the  
infrared transceiver to a ~~radio-frequency~~ Bluetooth format for

transfer to the ~~radio-frequency~~ data system and to convert information received from the ~~radio-frequency~~ Bluetooth transceiver to an infrared format for transfer to the infrared data port; and

an ~~RF~~ data system communicatively coupled to the IR to ~~RF~~ Bluetooth adapter to receive ~~RF~~ Bluetooth protocol signals from the IR to ~~RF~~ Bluetooth adapter, and to transmit the ~~RF~~ signals to a network.

23. (Cancelled)